

ABSTRACT

The present invention relates to a partitioned jetting fluidized bed with double nozzles, especially to a jetting fluidized-bed reactor with gas distributor, where a inclined nozzle is fixed at the side wall of the jetting fluidized bed above the gas distributor, and the gas pre-distribution chamber with gas distributor consists of a gas pre-distribution chamber with combined gas distributor and a gas pre-distribution chamber with perforated distributor. The two gas pre-distribution chambers are separated by a partition plate. The present invention can not only avoid the local agglomeration of the particles and the operation termination accident, but also broaden the adjustable range of the jet gas velocity and the distributor fluidization velocity. The excellent particle circulation can be reached in this jetting fluidized bed.